Amendment to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (currently amended) An X-ray system ~~having~~ comprising:

at least one component ~~(12, 2, 31, 32)~~ that is ~~shiftable (moveable)~~ displaceable or pivotable along at least one traverse path to at least one predeterminable locking position ~~(Bx)~~;

a braking means, wherein the braking means comprises an electromagnetic brake that is (i) active in a de-energized state and (ii) released by feeding current to the electromagnetic brake; and ~~, and having~~

a control unit ~~(122)~~ for sensing [[a]] an instantaneous speed of the component ~~(12, 2, 31, 32)~~ when displaced or pivoted along the traverse path within at least one predeterminable window of the traverse path, the at least one predetermined window being defined by two positions of the traverse path situated laterally from and disposed about the at least one predeterminable locking position, the at least one predeterminable window having a widthwise size selected as a function of a mass of the at least one component, the control unit further ~~and~~ for activating [[a]] the braking means ~~(124) if~~ in response to (i) the speed ~~is~~ within the predeterminable window being below a predeterminable limiting value and (ii) the component ~~(12, 2, 31, 32) has~~ having reached (a) the locking position ~~(Bx)~~ or (b) shortly before ~~this~~ the locking position.

2. (currently amended) An X-ray system as claimed in claim 1, ~~having~~ further comprising:

_____a position-sensing unit ~~(123)~~ connected to the control unit ~~(122)~~, wherein responsive to distance signals transmitted by the position-sensing unit, the control unit is further for determining the location of the component ~~(12, 2, 31, 32)~~ relative to a locking position and for calculating the speed of the component ~~(12, 2, 31, 32)~~.

3. (currently amended) An X-ray system as claimed in claim 2, ~~in which~~ wherein the position-sensing unit ~~(123)~~ is provided to measure distance by emitting an acoustic or optical signal and to receive the signal reflected from a point of reference ~~(W)~~.

4. (currently amended) An X-ray system as claimed in claim 2, ~~in which~~ wherein the control unit is provided to control the ~~breaking~~ braking means during the slow down of the component with respect to (i) the component's speed and ~~to~~ (ii) the component's distance to the locking position.

5. (currently amended) An X-ray system as claimed in claim 1, ~~in which~~ wherein the at least one ~~locking position (Bx) is situated within a~~ predeterminable window ~~(A-C)~~ of the traverse path ~~and the speed of the component (12, 2, 31, 32) is sensed within this window~~ comprises a widthwise size that is less than the entire traverse path.

6. (currently amended) An X-ray system as claimed in ~~claim 5, having~~ claim 1, further comprising:

_____an audio and/or visual signal transmitter, ~~(125) that is~~ connected to the control unit ~~(122)~~, for generating a first signal ~~when~~ in response to the speed ~~is~~ being below the limiting value and a second signal ~~when~~ in response to the speed ~~is~~ being above the limiting value.

7. (currently amended) An X-ray system as claimed in claim 1, ~~having~~ further comprising:

a visual display for indicating an instantaneous location of the component ~~(12, 2, 31, 32)~~ relative to a locking position ~~(Bx)~~.

8. (canceled)

9. (currently amended) An X-ray system as claimed in claim 1, ~~in which~~ wherein the control unit ~~(122) has~~ comprises a microprocessor unit, and a memory, wherein the control unit stores ~~in which~~ at least one locking position ~~(Bx) can be stored~~ in the form of a distance from a point of reference in the memory.

10. (currently amended) An X-ray system as claimed in claim 9, ~~in which~~ wherein the at least one locking position of the component ~~(12, 2, 31, 32) that is~~ comprises a user selected ~~by a user can be stored as a locking position (Bx)~~ locking position.

11. (currently amended) An X-ray stand for an X-ray system as claimed in claim 1, ~~in which~~ wherein the component ~~is~~ comprises a part of ~~the~~ a stand ~~that can be~~ configured for being displaced and/or pivoted along a traverse path, and/or an X-ray tube ~~(2)~~ or X-ray generator ~~(2, 21) that can be~~ configured for being displaced and/or pivoted along a traverse path.

12. (currently amended) A patient table for an X-ray system as claimed in claim 1, ~~in which~~ wherein the component ~~is~~ comprises a table top ~~(32) that can be~~ configured for being displaced and/or pivoted along a traverse path, and/or a film cassette ~~(31) that can be~~ configured for being displaced and/or pivoted along a traverse path.